In specification:

Please insert the attached Sequence Listing after the Abstarct on page 65.

Please amend Table 1 on page 45, line 5 as follows:

on a 3 % nusieve agarose (Biowhittaker Molecular Applications, Rockland, ME USA) and photographed under UV illumination.

Table 1:
PCR primers and conditions for genetic diagnosis

Disorder (Gene)	*Forward (F) and reverse (R) primers (SEQ ID NO:)*	*Composition of PCR reaction mixture*	*Anneal. Temp.*
Myotonic Dystrophy (DMPK) GenBank Accession No. NM_004409	First PCR: F (101): 5'-CTTCCCAGGCCTGCAGTTTGCCCATC (SEQ ID NO:1) R (102): 5'-GAACGGGGCTCGAAGGGTCCTTGTAGC (SEQ ID NO:2)	1 IU BioTaq polymerase and 1 X PCR buffer (Bioline), 10 % DMSO, 2 mM $MgCl_2$, 0.2 mM dNTP and 2 pmole of each of the primers	65 °C
	Nested PCR F (409): 5'-GAAGGGTCCTTGTAGCCGGGAA (SEQ ID NO:3) R (410): 5'-GGGATCACAGACCATTTCTTTCT (SEQ ID NO:4)	1 IU Taq polymerse and 1 X PCR buffer (Qiagen GmbH, Hilden, Germany), 1.5 mM $MgCl_2$, 0.2 mM dNTP, Q-solution (Qiagen) and 2 pmole of each of the PCR primers;	65 °C
Van Waardenburg syndrome (PAX3) GenBank Accession No. NM_000438	First PCR F: 5'-CTTCCCACAGTGTCCACTCC (SEQ ID NO:5) R: 5'-GAGGATTGCAAGGCTTATGG (SEQ ID NO:6)	1 IU BioTaq polymerase and 1 X PCR buffer (Bioline), 1.5 mM $MgCl_2$, 0.2 mM dNTP, 2 pmole of each of the PCR primers	60 °C

	Nested PCR F: 5'- ACGGCAGGCCGCTGCCCA AC (SEQ ID NO:7) R: 5'- AGTCTGGGAGCCAGGAG (SEQ ID NO:8)	1 IU Taq polymerse and 1 X PCR buffer (Qiagen), 1.5 mM $MgCl_2$, 0.2 mM dNTP, Q-solution (Qiagen) and 2 pmole of each of the PCR primers	60 °C
Cystic Fibrosis (CFTR) GenBank No. M28668	F (w1): 5'- TACCTATATGTCACAGAA GT (SEQ ID NO:35) R (w2): 5'- GTACAAGTATCAAATAGC AG (SEQ ID NO:36)	1 IU Taq polymerse and 1 X PCR buffer (Qiagen GmbH, Hilden, Germany), 1.5 mM $MgCl_2$, 0.2 mM dNTP, Q-solution (Qiagen) and 2 pmol of each of the PCR primers	60 °C
	Following PCR the fragment (270 bp long) is subjected to restriction enzyme analysis using the *Mnl*I restriction enzyme.		
metachromatic leukodystrophy (Arylsulfatase A) GenBank No. AY271820	First PCR F (2098): 5'- GCAGTCTCTCTTCTTCTAG C (SEQ ID NO:37) R (2264): 5'- AGGGGCCAGGGATCTAGG GC (SEQ ID NO:38)	1 IU Taq polymerse and 1 X PCR buffer (Qiagen GmbH, Hilden, Germany), 1.5 mM $MgCl_2$, 0.2 mM dNTP, Q-solution (Qiagen) and 2 pmole of each of the PCR primers	60 °C
	Following PCR the fragment is subjected to restriction enzyme analysis using the *Alu*I restriction enzyme.		